

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Makihiro OTOHATA, et al.

Docket No: Q94297

Appln. No.: 10/574,562

Group Art Unit: Unknown

Confirmation No.: Unknown

Examiner: Unknown

Filed: April 4, 2006

For:

FILM-COVERED BATTERY AND FABRICATION METHOD OF A FILM-COVERED

BATTERY

SUBMISSION OF INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

For the Examiner's convenience, enclosed herewith is a copy of the English translation of the International Preliminary Report on Patentability (IPRP). It is assumed that copies of the cited references as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

Respectfully submitted,

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WASHINGTON OFFICE 23373
CUSTOMER NUMBER

Date: September 12, 2006

Howard L. Bernstein Registration No. 25,665

To:

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)

(PCT Rules 44bis.3(c) and 72.2)

MIYAZAKI, Teruo 8th Floor, 16th Kowa Blog 9-20, Akasaka 1-chome Minato-ku, Tokyo 1070052 JAPON



Date of mailing (day/month/year) 06 July 2006 (06.07.2006)	
Applicant's or agent's file reference_ NEC04P230	IMPORTANT NOTIFICATION
International application No. PCT/JP2004/014364	International filing date (day/month/year) 30 September 2004 (30.09.2004)
Applicant	C LAMILION ENERGY, LTD. et al

1.	Transmittal	of the	translation	to	the applicant.	
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•	The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference NEC04P230	FOR FURTHER ACTION	See item 4 below
International application No. PCT/JP2004/014364	International filing date (day/month/year) 30 September 2004 (30.09.2004)	Priority date (day/month/year) 07 October 2003 (07.10.2003)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant NEC LAMILION ENERGY, LTD.		

1.	This international preliminary r International Searching Author	report on patentability (Chapter I) is issued by the International Bureau on behalf of the ity under Rule 44 bis.1(a).
2.	In the attached sheets, any refer	al of 5 sheets, including this cover sheet. rence to the written opinion of the International Searching Authority should be read as a reference report on patentability (Chapter I) instead.
3.	This report contains indications	s relating to the following items:
	Box No. I	Basis of the report
	Box No. II	Priority
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	Box No. IV	Lack of unity of invention
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
ŀ	Box No. VI	Certain documents cited
	Box No. VII	Certain defects in the international application
l	Box No. VIII	Certain observations on the international application
4.	The International Bureau will not, except where the applican date (Rule 44bis .2).	communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but t makes an express request under Article 23(2), before the expiration of 30 months from the priority
		Date of insurance of this money

	Date of issuance of this report 26 June 2006 (26.06.2006)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Masashi Honda
Facsimile No. +41 22 338 82 70	e-mail: pt08@wipo.int

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION **NEC04P230** See paragraph 2 below Priority date (day/month/year) International filing date (day/month/year) International application No. 07.10.2003 PCT/JP2004/014364 30.09.2004 International Patent Classification (IPC) or both national classification and IPC Applicant NEC LAMILION ENERGY, LTD. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized officer Name and mailing address of the ISA/JP Telephone No. Facsimile No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/014364

Box	No. 1	Basis of this opinion
1.	With	regard to the language, this opinion has been established on the basis of the international application in the language in which it was, unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under
	•	Rule 12.3 and 23.1(b)).
2.		a regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed intion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
ļ		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Add	titional comments:
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1		

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/014364

Bo	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; ditations and explanations supporting such statement			
1.	Statement			
	Novelty (N)	Claims	4-6, 9, 10	YES
		Claims	4-6, 9, 10 1-3, 7, 8, 11	NO
	Inventive step (IS)	Claims	·	YES
		Claims	1-11	NO.
	Industrial applicability (IA)	Claims	1-11	YES
		Claims		NO
2.	Citations and explanations:			
	Document 1: JP, 2002-3 paragraphs [0009] and [A (Yuasa Corporation), 31 October, 2002 (31.10.02), claim 1, gs. 1-5 (Family: none)	
	Document 2: JP, 2002-3 and 8 (Family: none)	19375,	A (Yuasa Corporation), 31 October, 2002 (31.10.02), claim 3, F	igs. 7

Document 3: JP, 10-264244, A (FP Corporation), 06 October, 1998 (06.10.98), claims 1 and 2, Figs. 1 and 2 (Family: none)

Document 4: JP, 11-334022, A (Sekisui Chemical Co., Ltd.), 07 December, 1999 (07.12.99), claim 1, Fig. 4 (Family: none)

Document 5: JP, 5-56425, U (Sekisui Chemical Co., Ltd.), 27 July, 1993 (27.07.93), claim 1, Figs. 3, 5 and 6 (Family: none)

Document 6: WO, 2001/056093, A1 (Mitsubishi Electric Corporation), 02 August, 2001 (02.08.01), claims 1 and 2; description, page 12, line 27 to page 13, line 21; Fig. 4, & EP, 1184914, A1

Document 7: JP, 2000-223088, A (Toyo Aluminum Kabushiki Kaisha), 11 August, 2000 (11.08.00), claim 6, paragraph [0018], Fig. 1 (Family: none)

The subject matters of claims 1-3, 7, 8 and 11 do not appear to be novel or to involve an inventive step, since they are described in document 1 cited in the ISR.

The subject matters of claims 4-6 do not appear to involve an inventive step in view of document 1 and document 2 cited in the ISR. Providing more than one bent portion of document 1 as described in document 2 is easy for a person skilled in the art.

The subject matter of claim 9 does not appear to involve an inventive step in view of document 1 and documents 3, 4 and 5 cited in the ISR. Employing means of pressing with a member having raised portions described in documents 3, 4 and 5 for forming the bent portion of document 1 is easy for a person skilled in the art.

The subject matter of claim 10 does not appear to involve an inventive step in view of documents 1, 3, 4 and 5 and documents 6 and 7 cited in the ISR. Forming the bent portion with a member having raised portions described in documents 1, 3, 4 and 5 in synchronization with heat sealing by heating and pressing as described in documents 6 and 7 is easy for a person skilled in the

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/014364

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
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